ExxonMobil Refining & Supply Company

Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek Project Manager

EXONMobilRefining & Supply

January 27, 2005

Mr. Chris Murray Subregional Water Management System Industrial Waste Section 4300 Llano Road Santa Rosa, California 95407

RE: Former Exxon RAS #7-3035/4501 Sonoma Highway, Santa Rosa, California.

Dear Mr. Murray:

Attached for your review and comment is a copy of the letter report entitled *Laboratory Analysis Results of Groundwater Treatment System*, dated January 27, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details remedial activities for the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek Project Manager

Attachment:

ERI's Laboratory Analysis Results of Groundwater Treatment System, dated January 27, 2005.

CC:

w/ attachment

Ms. Jo Bentz, California Regional Water Quality Control Board, North Coast Region

w/o attachment

Mr. Robert A. Saur, Environmental Resolutions, Inc.

January 27, 2005 ERI 200311CM.L48

Ms. Jennifer C. Sedlachek ExxonMobil Refining & Supply – Global Remediation 4096 Piedmont Avenue #194 Oakland, California 94611

Subject:

Laboratory Analysis Results of Groundwater Treatment System, Former Exxon Service

Station 7-3035, 4501 Sonoma Highway, Santa Rosa, California

City of Santa Rosa Industrial User Permit No. SR-GW6100

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) is submitting this letter to the Santa Rosa Subregional Wastewater Management System as the Quarterly Self Monitoring Report for fourth quarter 2004 for the groundwater treatment system located at 4501 Sonoma Highway, in Santa Rosa, California.

The groundwater treatment system (GRS) operated in compliance with permit conditions during fourth quarter 2004, from September 28, 2004, through December 29, 2004. The GRS extracted, treated, and discharged 38,967 gallons during the reporting period. Samples were collected from the system monthly by ERI and analyzed by a California state-certified laboratory, under Chain-of-Custody protocol, for gasoline constituents including total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) using Environmental Protection Agency (EPA) Method 8015B, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) and fuel oxygenates (including methyl tertiary butyl ether [MTBE]) using EPA Method 8260B. Results of laboratory analyses are attached.

DOCUMENT DISTRIBUTION

ERI recommends forwarding a copy of this report to:

Mr. Chris Murray Subregional Water Management System Industrial Waste Section 4300 Llano Road Santa Rosa, California 95407

Ms. Jo Bentz California Regional Water Quality Control Board North Coast Region 5550 Skylane Boulevard, Suite A Santa Rosa, California 95403 Please contact Mr. Robert A. Saur, ERI's project manager for this site, at (707) 766-2000 with any questions.

Sincerely,

Environmental Resolutions, Inc.

Robert A. Saur Project Manager

Attachments: Laboratory Analysis Reports and Chain-of-Custody Records



18 October, 2004

Corey Weiand Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Former Exxon 7-3035 Work Order: MNJ0169

Enclosed are the results of analyses for samples received by the laboratory on 10/06/04 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes Project Manager

CA ELAP Certificate #1210

Leticio Rujes





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNJ0169 Reported: 10/18/04 12:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Laboratory ID Matrix				
W-EFF	MNJ0169-01	Water	Date Sampled 10/05/04 14:00	Date Received 10/06/04 16:55		
W-INT 2	MNJ0169-02	Water	10/05/04 14:30	10/06/04 16:55		
W-INT 1	MNJ0169-03	Water	10/05/04 15:00	10/06/04 16:55		
W-INF	MNJ0169-04	Water	10/05/04 15:30	10/06/04 16:55		

Samples were received at 2.6°C





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNJ0169 Reported: 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
W-EFF (MNJ0169-01) Water Sampled	l: 10/05/04 14:00	Received	10/06/04 1	6:55					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4 J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	Ir	U	ır	11	н	If	
Toluene	ND	0.50	II	"	l†	п	н	II	
Ethylbenzene	ND	0.50	H	17	lt	n	11	И	
Xylenes (total)	ND	0.50	и	И	И	u u	u	н	
Surrogate: a,a,a-Trifluorotoluene		102 %	55-14	2	**	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	70-13	0	"	"	"	"	
W-INT 2 (MNJ0169-02) Water Sample	ed: 10/05/04 14:30	Receive	d: 10/06/04	16:55					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	ri	П	0	И	н	и	
Toluene	ND	0.50	U	н	n	ч	н	п	
Ethylbenzene	ND	0.50	a	11	н	н	u	п	
Xylenes (total)	ND	0.50	n	н		71	u	11	
Surrogate: a,a,a-Trifluorotoluene		98 %	55-14	2		"	п	н	
Surrogate: 4-Bromofluorobenzene		98 %	70-13	0	"	"	"	rr .	
W-INT 1 (MNJ0169-03) Water Sample	ed: 10/05/04 15:00	Receive	d: 10/06/04	16:55					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	и	11	и	11	ч	l t	
Toluene	ND	0.50	II	u	и	l7	н	н	
Ethylbenzene	ND	0.50	11	ly .	н	IT	и	п	
Xylenes (total)	ND	0.50	n .	и	н	н	и	н	
Surrogate: a,a,a-Trifluorotoluene		102 %	55-14	2	"		"	u	
Surrogate: 4-Bromofluorobenzene		98 %	70-13	n	"	"	"	"	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNJ0169 Reported: 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
W-INF (MNJ0169-04) Water Sai	mpled: 10/05/04 15:30	Received:	10/06/04	16:55					· · · · · ·
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	ц	IT	71	U	u	11	
Toluene	ND	0.50	н	Ir	u	u	ly .	7)	
Ethylbenzene	ND	0.50	11	п	0	U	n	ri	
Xylenes (total)	ND	0.50	н	н	0	IT	и	19	
Surrogate: a,a,a-Trifluorotoluene		101 %	55-	142	п	"	"	"	
Surrogate: 4-Bromofluorobenzene		96 %	70-	130	"	"	"	u	





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035

Project Manager: Corey Weiand

MNJ0169 Reported: 10/18/04 12:08

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNJ0169-01) Water Sample	ed: 10/05/04 14:00	Received	10/06/0	4 16:55					_
Diesel Range Organics (C10-C28)	76	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B- SVOA	HC-12, HC-
Surrogate: n-Octacosane		98 %	23-	128	н	"	"	u	
W-INT 2 (MNJ0169-02) Water Samp	led: 10/05/04 14:3	0 Receive	d: 10/06/	04 16:55					
Diesel Range Organics (C10-C28)	56	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B- SVOA	HC-12, HC-
Surrogate: n-Octacosane		111%	23-	128	н	μ	u	"	
W-INT 1 (MNJ0169-03) Water Samp	led: 10/05/04 15:0	0 Receive	d: 10/06	04 16:55					
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B- SVOA	
Surrogate: n-Octacosane		100 %	23-	128	"	"	"	"	
W-INF (MNJ0169-04) Water Sample	d: 10/05/04 15:30	Received:	10/06/0	4 16:55					
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B- SVOA	
Surrogate: n-Octacosane		95 %	23-	128	II	"	п	и	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNJ0169 Reported: 10/18/04 12:08

MTBE by EPA Method 8260B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
W-EFF (MNJ0169-01) Water	Sampled: 10/05/04 14:00	Received	: 10/06/0	4 16:55	•		·		
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d-	4	102 %	78-	-129	"	"	п	н	
W-INT 2 (MNJ0169-02) Water	Sampled: 10/05/04 14:3	0 Receive	d: 10/06	/04 16:55					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/15/04	EPA 8260B	•
Surrogate: 1,2-Dichloroethane-d-	4	91%	<i>78</i> -	-129	"	n	"	"	_
W-INT 1 (MNJ0169-03) Water	Sampled: 10/05/04 15:0	0 Receive	d: 10/06	/04 16:55					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d-	4	95 %	78-	-129	"	"	п	n	
W-INF (MNJ0169-04) Water	Sampled: 10/05/04 15:30	Received:	10/06/0	4 16:55					
Methyl tert-butyl ether	0.67	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d-	4	94 %	78-	-129	"	"	п	"	





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNJ0169 Reported: 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4J12021 - EPA 5030B [P/T]			_							
Blank (4J12021-BLK1)				Prepared	& Analyze	d: 10/12/0	04	_		
Gasoline Range Organics (C4-C12)	ND	50	ug/l				<u>. </u>		· ·	
Benzene	ND	0.25	tl							
Гојиепе	ND	0.25	U							
Ethylbenzene	ND	0.25	D							
Kylenes (total)	ND	0.25	ŧŧ							
Surrogate: a,a,a-Trifluorotoluene	39.9		"	40.0		100	55-142			
urrogate: 4-Bromofluorobenzene	41.4		"	40.0		104	70-130			
JCS (4J12021-BS1)				Prepared	& Analyze	d: 10/12/0	04			
Gasoline Range Organics (C4-C12)	234	50	ug/l	275	-	85	62-134			
Benzene	5.20	0.50	н	4.00		130	68-140			
Foluene	20.0	0.50	н	20.0		100	76-127			
Ethylbenzene	4.63	0.50	н	4.70		99	77-130			
Kylenes (total)	23.4	0.50	п	22.8		103	78-128			
Surrogate: a,a,a-Trifluorotoluene	39.3		"	40.0	-	98	55-142			
Surrogate: 4-Bromofluorobenzene	45.0		"	40.0		112	70-130			
Matrix Spike (4J12021-MS1)		ce: MNJ01	69-01	Prepared a	& Analyze	d: 10/12/0)4			
Gasoline Range Organics (C4-C12)	245	50	ug/l	275	ND	89	62-134			
Benzene	5.20	0.50	"	4.00	ND	130	68-140			
Coluene	20.0	0.50	u	20.0	ND	100	76-127			
Ethylbenzene	4.59	0.50	U	4.70	ND	98	77-130			
Kylenes (total)	23.4	0.50	0	22.8	ND	103	78-128			
Surrogate: a,a,a-Trifluorotoluene	40.4		"	40.0		101	55-142			
Surrogate: 4-Bromofluorobenzene	45.6		n	40.0		114	70-130			
Matrix Spike Dup (4J12021-MSD1)		ce: MNJ01	69-01_	Prepared a	& Analyze	d: 10/12/0)4			
Gasoline Range Organics (C4-C12)	217	50	ug/l	275	ND	7 9	62-134	12	41	
Benzene	4.86	0.50	u	4.00	ND	122	68-140	7	30	
Coluene	19.2	0.50	н	20.0	ND	96	7 6-127	4	30	
Ethylbenzene	4.34	0.50	n	4.70	ND	92	77-130	6	21	
Xylenes (total)	22.1	0.50	*	22.8	ND	97	78-128	6	21	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNJ0169 Reported: 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

[Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 4J12021 - EPA 5030B [P/T]

Matrix Spike Dup (4J12021-MSD1)	Source: 1	MNJ0169-01	Prepared & An	alyzed: 10/12/	04
Surrogate: a,a,a-Trifluorotoluene	36.8	ug/I	40.0	92	55-142
Surrogate: 4-Bromofluorobenzene	43.4	u	40.0	108	70-130





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNJ0169 Reported: 10/18/04 12:08

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J08005 - EPA 3510C		_								
Blank (4J08005-BLK1)				Prepared	& Analyze	:d: 10/08/	04			
Diesel Range Organics (C10-C28)	ND	25	ug/I							•
Surrogate: n-Octacosane	42.0		"	50.0		84	23-128		_	_
LCS (4J08005-BS1)				Prepared	& Analyze	d: 10/08/	04			
Diesel Range Organics (C10-C28)	493	50	ug/l	500		99	35-144		<u> </u>	
Surrogate: n-Octacosane	46.3		'n	50.0		93	23-128			_
LCS Dup (4J08005-BSD1)				Prepared	& Analyze	d: 10/08/	04			
Diesel Range Organics (C10-C28)	485	50	ug/l	500		97	35-144	2	24	-
Surrogate: n-Octacosane	44.2		"	50.0		88	23-128			





Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNJ0169 Reported: 10/18/04 12:08

MTBE by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4J14002 - EPA 5030B P/T				_	_					
Blank (4J14002-BLK1)				Prepared	& Analyz	ed: 10/14/	04			
Methyl tert-butyl ether	ND	0,25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	5.15	 -	п	5.00		103	78-129			
LCS (4J14002-BS1)				Prepared	& Analyz	ed: 10/14/	04			
Methyl tert-butyl ether	9.73	0.50	ug/l	10.0		97	63-137			
Surrogate: 1,2-Dichloroethane-d4	5.03		""	5.00		101	78-129			
LCS (4J14002-BS2)				Prepared	& Analyz	ed: 10/14/	04			
Methyl tert-butyl ether	9.09	0,50	ug/l	9.92		92	63-137		<u>_</u>	
Surrogate: 1,2-Dichloroethane-d4	5.20		п	5.00		104	78-129			
LCS Dup (4J14002-BSD1)				Prepared	& Analyz	ed: 10/14/	04			
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0	_ -	104	63-137	7	20	
Surrogate: 1,2-Dichloroethane-d4	4.76		"	5.00		95	78-129			
Matrix Spike (4J14002-MS1)	Soi	ırce: MNJ02	76-01	Prepared	& Analyze	ed: 10/14/	04			
Methyl tert-butyl ether	2110	25	ug/l	496	1600	103	63-137			
Surrogate: 1,2-Dichloroethane-d4	4.91		"	5.00		98	78-129			
Matrix Spike Dup (4J14002-MSD1)	Soi	ırce: MNJ02	76-01	Prepared	& Analyze	ed: 10/14/	04			
Methyl tert-butyl ether	2030	25	ug/l	496	1600	87	63-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	4.76		"	5.00		95	78-129			





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNJ0169 Reported: 10/18/04 12:08

Notes and Definitions

HC-19 Discrete peak @ C23.

HC-12 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Petaluma CA, 94954

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SEQUOIA ANALYTICAL CHAIN OF CUSTODY		L. PHO	MORGAN H ATONYA PELT, FRO INU 408/776-9600 PA	DECT MGR.		ENVIRONMENTAL RESOLUTIONS, INC ROB SAUR, FROI. MGR. 707-766-2019 Corey Weiand, ENGINEER 800-382-9105						
- CITY/STATE/ CONIX PIM	ESS 601 North M ZIP Petaluma, C Corey Weias ONE (800) 382-91 FAX (707) 789-04 JRR	A 94954 nd 105 414		PRINKING EXXONM PROJE	QC DATA	45042390 ROD SAU JENNIFE	18 IR R SEDLACI (STANDAI	RD)	1-800-382 1-510-547	8196	0/49	
* Please am TFIId analysis whiles gel clea	1-up IE #CONT	MATRIX	PRESERVATIVE		. TPHg, BTEX 8015M/80213	-Disig 8015M-	MTBE 8260B		24 How TAT	Normal 10 day TAT		
W-Eff b) [b] S 64 74 W-INT 2 vv 1 14		water water	HCL/Ice		x	X	X X			X		
W-INT 1 69 (IS	4/2	water water	HCI/Ice		X X	X	Х Х			X		
				-								
											-	
KENNOGIZHED BA:	2000 M		16/04TIME	AHS RECEIVED	V-#}}		,	DATE (11.	TIME O	<u></u> 145 248	
TEMP 2.5°C SAMPI	B CONTAINER	S INTACT:	и (У) и		E OF HEADSPACE	•		_				
-				Rev	d: ID	10/6/00	1 165	<u>ኛ</u>			•	

FN OM3294\COCS

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: REC. BY (PRINT) WORKORDER:	FRE (E-M)	7		DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:	10/6/04 1659 10-7	-67		•	For Regulat DRINKING WASTE WA	· · · · · · · · · · · · · · · · · · ·
			, 	-	(For cil	onis requ	ring pro		*******	eipt, document hore 🗘)
CIRCLE THE APPR	OPRIATE RESPONSE	LAB SAMPLE#	DASH #	CLIENT ID	DESCRIPTION	RESERV ATIVE	pН	التسيد	DATE SAMPLED	REMARKS: ' 'CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*	6!	A,B LDEF	W-EFF	VOA (L)	nci	$\overline{\Box}$	* W	10404	
2. Chain-of-Custody	Rresent / Absent*	w	Kane	V-INT 2	Sent			<u> </u>		·
Traffic Reports or Packing List:	Present / Absent	63 04	1	W-INF W-TNF	Cant Sant	<u> </u>		V	V	
4. Airbili:	Airbill / Sticker Present / Absent									
5. Airbi l #:										
6. Sample Labels:	Present / Absent							<u> </u>		/
7. Sample IDs:	Cisted / Not Listed			<u> </u>	,		 	<u></u>	/	
-	on Chain-of-Custody			<u> </u>				 	-/-	<u>-</u>
8. Sample Condition:	Intact / Broken* / Leaking*									
9. Does information or	r chain-of-custody,			· ·						
traffic reports and s		·		· · · · ·			/	· —		<u>-</u>
agree?	Yes / No*		·			$\leftarrow A$				
10. Sample received with					//(0 12			 	·	
hold time?	Yes / No*				-\V\D\\					
 Adequate sample vol received? 	ume Ves / No									
12. Proper Preservatives			 .					<u> </u>		
used?	*oN \ \$aY							<u> </u>		
13. Trip Blank / Temp Bla	nk Received?							<u> </u>		
(circle which, if yos)	Yes (No*)				-	·		[<u>-</u>		
14. Temp Rec. at Lab:	7.6			/				 		
Is temp 4 +/-2°C?	Yas/No**		/	· -				<u> </u>		
(Accopiance range for samples					-					
**Exception (If any): MET	TALS / DFF ON ICE			· · · · · · · · · · · · · · · · · · ·						
			wadara N			CONTRACTOR OF THE PARTY OF THE		FALKU BROZDÝM VS	PRO NEW TOWNS	
And the state of t	-	*IF CIRC	LED, C	ONTACT PROJECT M	ANAGER AND A	TTACH F	RECOR	D OF RES	OLUTION.	1

**\text{\text{\cute{Revision 6}} \text{\cute{ces Rov 5 (08/07/04)}} \text{\text{\cute{7.07/13/04}}

Page ____of _____.



17 November, 2004

Rob Saur Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Former Exxon 7-3035 Work Order: MNK0232

Enclosed are the results of analyses for samples received by the laboratory on 11/04/04 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes Project Manager

CA ELAP Certificate #1210

Leticio Ruyes





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNK0232-01	Water	11/02/04 12:00	11/04/04 10:30
W-INT 2	MNK0232-02	Water	11/02/04 12:30	11/04/04 10:30
W-INT 1	MNK0232-03	Water	11/02/04 13:00	11/04/04 10:30
W-INF	MNK0232-04	Water	11/02/04 13:30	11/04/04 10:30

Samples were received at 4.8 °C





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Меньод	Note
W-EFF (MNK0232-01) Water Sam	pled: 11/02/04 12:00	Received	l: 11/04/04	10:30		-			-
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	*1	п	n	u	U	11	
Toluene	ND	0.50	स	и	и	U	D	11	
Ethylbenzene	ND	0.50	TI .	и	n	U	U	11	
Xylenes (total)	ND	0.50	स	и	и	п	U	11	
Surrogate: a,a,a-Trifluorotoluene		110%	55-14	12	"	"	n n	и	
Surrogate: 4-Bromofluorobenzene		99 %	70-13	3 <i>0</i>	"	"	"	"	
W-INT 2 (MNK0232-02) Water Sa	mpled: 11/02/04 12:30	Receive	ed: 11/04/0	4 10:30					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	17	11	u	Ŋ	н	l9	
Toluene	ND	0.50	P	U	н	п	11	И	
Ethylbenzene	ND	0.50	и	11	н	71	(1	н	
Xylenes (total)	ND	0.50		. u	H	e1	"	II .	
Surrogate: a,a,a-Trifluorotoluene		109 %	55-14	12	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99 %	70-13	30	u	n	n	u	
W-INT 1 (MNK0232-03) Water San	mpled: 11/02/04 13:00	Receive	ed: 11/04/0	4 10:30					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	ш	U	u u	71	u	п	
Toluene	ND	0.50	IT	0		*1	U	п	
Ethylbenzene	ND	0.50	10	U	II .	u	U	41	
Xylenes (total)	ND	0.50	le		0	rt	п	11	
Surrogate: a,a,a-Trifluorotoluene		108 %	55-14	12		"	п	"	
Surrogate: 4-Bromofluorobenzene		100 %	70-13	30	,,	n	n	n	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Rob Saur

MNK0232 Reported: 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

	_							
Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sampled: 11/02/04 13:30	Received	: 11/04/04	10:30					
l) ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
ND	0.50	71	II .	n	а	67	"	
ND	0.50	v	ń	71	п	н	If	
ND	0.50	n	If	u	U		lę	
ND	0.50	17	İt	u	U	И	и	
	108 %	55-1	42	"	"	"	"	· -
	100 %	70- <i>1</i>	30	"	"	н	"	
	Sampled: 11/02/04 13:30 ND ND ND ND ND ND ND	Result Limit Sampled: 11/02/04 13:30 Received P) ND 50 ND 0.50 ND 0.50 ND 0.50 ND 0.50 ND 0.50 ND 0.50 108 %	Result Limit Units	Result Reporting Limit Units Dilution	Result Reporting Limit Units Dilution Batch	Result Reporting Limit Units Dilution Batch Prepared	Result Reporting Limit Units Dilution Batch Prepared Analyzed	Result Reporting Limit Units Dilution Batch Prepared Analyzed Method





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNK0232-01) Water	Sampled: 11/02/04 12:00	Received	: 11/04/(4 10:30					-
Diesel Range Organics (C10-C28)	ND	50	ug/1	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		92 %	23-	128	"	"	"	"	
W-INT 2 (MNK0232-02) Water	Sampled: 11/02/04 12:3	0 Receive	ed: 11/04	/04 10:30					
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	-
Surrogate: n-Octacosane		102 %	23-	128	"	"	n	н	
W-INT 1 (MNK0232-03) Water	Sampled: 11/02/04 13:0	0 Receive	ed: 11/04	/04 10:30					
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		108 %	23-	128	н	"	"	u	
W-INF (MNK0232-04) Water	Sampled: 11/02/04 13:30	Received	: 11/04/0	4 10:30					
Diesel Range Organics (C10-C28)	ND	50	ug/l	I	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		98 %	23-	128	"	"	"	"	





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

MTBE by EPA Method 8260B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
W-EFF (MNK0232-01) Water	Sampled: 11/02/04 12:00	Received	l: 11/04/0	04 10:30					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	-
Surrogate: 1,2-Dichloroethane-d4		91 %	78-	129	"	"	"	"	
W-INT 2 (MNK0232-02) Water	Sampled: 11/02/04 12:3	0 Receive	ed: 11/04	/04 10:30					
Methyl tert-butyl ether	ND	0.50	ug/l	l	4K11008	11/11/04	11/11/04	EPA 8260B	-
Surrogate: 1,2-Dichloroethane-d4	<u> </u>	91%	78-	129	#	"	"	"	
W-INT 1 (MNK0232-03) Water	Sampled: 11/02/04 13:0	0 Receive	ed: 11/04	/04 10:30					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	<u> </u>
Surrogate: 1,2-Dichloroethane-d4		90 %	78-	129	"	"	п		<u> </u>
W-INF (MNK0232-04) Water S	Sampled: 11/02/04 13:30	Received	: 11/04/0	4 10:30					
Methyl tert-butyl ether	20	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	— ,	89 %	78-	129	"	"	"	"	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Rob Saur

MNK0232 Reported: 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

1		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4K12002 - EPA 5030B [P/T]		 								
Blank (4K12002-BLK1)				Prepared a	& Analyze	- :d: 11/12/	04		-	_
Gasoline Range Organics (C4-C12)	ND	50	ug/l	······· · · · · · · · · · · · · · · ·						<u>-</u>
Benzene	ND	0.25	ir							
Toluene	ND	0.25	н							
Ethylbenzene	ND	0.25	н							
Xylenes (total)	ND	0.25	н							
Surrogate: a,a,a-Trifluorotoluene	44.0		"	40.0		110	55-142			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	70-130			
LCS (4K12002-BS1)				Prepared a	& Analyze	d: 11/12/	04			
Gasoline Range Organics (C4-C12)	246	50	ug/l	275		89	62-134			<u> </u>
Веплепе	4.37	0.50	H	4.00		109	68-140			
l'oluene	20.3	0.50	U	20.0		102	76-127			
Ethylbenzene	4.95	0.50	п	4.70		105	77-130			
Xylenes (total)	24.2	0.50	ш	22.8		106	78-128			
Surrogate: a,a,a-Trifluorotoluene	42.1		,	40.0		105	55-142			_
Surrogate: 4-Bromofluorobenzene	42.9		H	40.0		107	70-130			
Matrix Spike (4K12002-MS1)		ce: MNK02	32-01	Prepared a	& Analyze	d: 11/12/	04			
Gasoline Range Organics (C4-C12)	228	50	ug/l	275	ND	83	62-134	_		_
Benzene	3.61	0.50	и	4.00	ND	90	68-140			
Toluene	19.0	0.50	И	20.0	ND	95	76-127			
Ethylbenzene	4.54	0.50	11	4.70	ND	97	77-130			
Xylenes (total)	22.6	0,50	U	22.8	ND	99	78-128			
Surrogate: a,a,a-Trifluorotoluene	42.4	<u> </u>	"	40.0		106	55-142	· · · -		
Surrogate: 4-Bromofluorobenzene	42.5		n	40.0		106	70-130			
Matrix Spike Dup (4K12002-MSD1)		ce: MNK02	232-01	Prepared a	& Analyze	d: 11/12/0	04			
Gasoline Range Organics (C4-C12)	212	50	ug/l	275	ND	77	62-134	7	41	
Benzene	3.40	0.50	n	4.00	ND	85	68-140	6	30	
Toluene	17.7	0.50	и	20.0	ND	88	76-127	7	30	
Ethylbenzene	4.25	0.50	ır	4.70	ND	90	77-130	7	21	
Xylenes (total)	21.3	0.50	H	22.8	ND	93	78-128	6	21	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Rob Saur

MNK0232 Reported: 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

			_							
		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 4K12002 - EPA 5030B [P/T]

Matrix Spike Dup (4K12002-MSD1)	Source:	MNK0232-01	Prepared & Ar	nalyzed: 11/12	/04
Surrogate: a,a,a-Trifluorotoluene	42.1	ug/l	40.0	105	55-142
Surrogate: 4-Bromofluorobenzene	42.8	"	40.0	107	70-130





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K08002 - EPA 3510C							_			
Blank (4K08002-BLK1)				Prepared	& Analyze	d: 11/08/	04		-	
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	42.7		п	50.0		85	23-128		 -	
LCS (4K08002-BS1)				Prepared	& Analyze	d: 11/08/	04			
Diesel Range Organics (C10-C28)	384	50	ug/l	500	·	77	35-144			
Surrogate: n-Octacosane	44.0		"	50.0		88	23-128			
LCS Dup (4K08002-BSD1)				Prepared	& Analyze	d: 11/08/	04			
Diesel Range Organics (C10-C28)	390	50	ug/l	500		78	35-144	2	24	
Surrogate: n-Octacosane	40.5		"	50.0		81	23-128		 -	





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

MTBE by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

		Evaluation		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch 4K11008 - EPA 5030B P/T											
Blank (4K11008-BLK1)				Prepared	& Analyz	ed: 11/11/	04				
Methyl tert-butyl ether	ND	0.25	ug/I				•				
Surrogate: 1,2-Dichloroethane-d4	4.67		"	5.00	 -	93	78-129				
LCS (4K11008-BS1)				Prepared	& Analyz	ed: I1/11/	04				
Methyl tert-butyl ether	9.32	0.50	ug/l	10.0		93	63-137				
Surrogate: 1,2-Dichloroethane-d4	4.64		n	5.00		93	78-129				
LCS (4K11008-BS2)		Prepared & Analyzed: 11/11/04									
Methyl tert-butyl ether	8.55	0.50	ug/l	9.92		86	63-137				
Surrogate: 1,2-Dichloroethane-d4	4.74		- 11	5,00		95	78-129				
LCS Dup (4K11008-BSD1)				Prepared	& Analyz	ed: 11/11/	04				
Methyl tert-butyl ether	9.36	0.50	ug/l	10.0	-	94	63-137	0.4	20		
Surrogate: 1,2-Dichloroethane-d4	4.54		#	5.00		91	78-129				
Matrix Spike (4K11008-MS1)	Sour	ce: MNK0	314-02	Prepared	& Analyz	ed: 11/11/	04				
Methyl tert-butyl ether	173	10	ug/l	198	3.0	86	63-137				
Surrogate: 1,2-Dichloroethane-d4	4.54		"	5.00		91	78-129				
Matrix Spike Dup (4K11008-MSD1)	Sour	ce: MNK0	314-02	Prepared:	11/11/04	Analyze	i: 11/12/04				
Methyl tert-butyl ether	167	10	ug/l	198	3,0	83	63-137	4	20		
Surrogate: 1,2-Dichloroethane-d4	4.08		н	5.00		82	78-129		·		





Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Rob Saur MNK0232 Reported: 11/17/04 12:38

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SEQUOIA A		i			MORGAN FI ATONYA PELT, PRO	JECT MGR.	l E		NIYLLEIN'I B SAUR, P		SOLUTI -	ONS, IN 707-766-20	
CHAIN O.	COSTO	D I	İ	PHO	NE 408/776-9600 PA	X 408/782-6308	<u> </u>	Core	y Weland, 1	ENGINEE	R	800-382-91	05
· · · · · ·	CITY/ST C	ADDRESS ATE/ZIP CONTACT PHONE FAX AMPLER	601 North Petaltuna, Corey Wei (800) 382- (707) 789-	and 9105 0414	oulevard F Was A	PROJE EXXONM DRINKINO	OTHER X	A50423901; ROB SAUE FENNIFER LISVEL II	8 SEDLACI (STANDA)	IEK RD)	1-800-382- 1-510-547-	3591 8196	<0232
	 		<u>U</u> .				Ai	Valyses i	KRQUESTI	BD T		-	
* Flease run TPHd and SAMPLE ID	lysis w/silica g		# CONT	MATIUX	PRESERVATIVE		TPHE, BTEX 8015M/8021B	TPH4 8015M*	MTBE 8260B	-	24 How TAT	Normal 10 day TAT	
W-Eff eq	11/2/04	12.00	4/2	water	НС ІЛее	- 	Х	X	X	γ	 	х	
W-Eff الما W-INT2	1 1 7	1230	4/2	water	HCL/Ice	 	- X	x	х		1 .	x	
W-INT 1	4	13.11	4/2	water	IICL/Ic	i	Х	Х	X			Х	
W-IMP W	31.	1330	4/2	water	HCI/Ice _		. х	X.	х			Х	:
<u></u> ,		! 			<u></u>			,			 		
	-			· · · · ·	-								-
· .	-												
KELINGAISMED BA	5-7-17-17	4-60	www.		1 1	F30 RECEIVE	1 2			•	E 11/4/04	TIME	430 +10
TRMP		Sample	CONTAIN	DATB _. Ers intac	TIME CT? Y N		REE OF HEADSPACE	N Y N	ł <u>.</u>	•, · Ditti			

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG For Regulatory Purposes? Exa 7-3035 DATE REC'D AT LAB: CLIENT NAME: DRINKING WATER - YES / NO TIME REC'D AT LAB: 1030. REC. BY (PRINT) YES/NO WASTE WATER 11-5-64 MNK6232 DATE LOGGED IN: WORKORDER: (For clients requiring preservation checks at receipt, document here $oldsymbol{1}$) REMARKS: DATE SAMPLE CONTAINER PRESERV · CIRCLE THE APPROPRIATE RESPONSE DASH LAB CONDITION (ETC.) SAMPLED CLIENTID ATIVE MATRIX DESCRIPTION SAMPLE# 11/7/04 11 Amber (2) Present / Absent 10/ 1. Custody Seal(s) VOA (4) HCS Intact / Broken* Samo Present / Absent* 62 2. Chain-of-Custody W 3. Traffic Reports or W-TNE Present / Absent 67 Packing List: Airbill / Sticker 4. Airbill: Present / Apsent 5. Airbill 1. Present / Absent 6. Sample Labels: Listed / Not Listed 7. Sample IDs: on Chain-of-Custody (Intac)/Broken*/ 8, Sample Condition: Leaking* 9. Does information on chain-of-custody, traffic reports and sample labels Yes / No* agree? · 10. Sample received within Yes/ No* hold time? 11. Adequate sample volume (Yes/No* received? 12. Proper Preservativos No* used? 13. Trip Blank / Temp Blank Received? Yes/No* (circle which, if yes) 48 14. Temp Rec. at Lab: Yes / No** Is temp 4+/-2°C?

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

vision 0 Rey 5 (06/07/04)

· Problem COC

(Acceptance range for samples requiring thermal pres.) **
**Xception (if any): METALS / DFF ON ICE

1



22 December, 2004

Corey Weiand Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Former Exxon 7-3035 Work Order: MNL0340

Enclosed are the results of analyses for samples received by the laboratory on 12/09/04 19:10. The samples arrived at a temperature of 2 C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes Project Manager

CA ELAP Certificate #1210

Leticio Ruyes





Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNL0340-01	Water	12/08/04 12:00	12/09/04 19:10
W-INT 2	MNL0340-02	Water	12/08/04 12:30	12/09/04 19:10
W-INT 1	MNL0340-03	Water	12/08/04 13:00	12/09/04 19:10
W-INF	MNL0340-04	Water	12/08/04 13:30	12/09/04 19:10





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNL0340 Reported: 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNL0340-01) Water Sampled	1: 12/08/04 12:00	Received	: 12/09/04	19:10					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	u	0	n n	II .	п	п	
Toluene	ND	0.50	u	u	ч	ш	II.	и	
Ethylbenzene	ND	0.50	0	ri	и	IJ	*1	11	
Xylenes (total)	ND	0.50	U	u	lę	н	4	11	
Surrogate: a,a,a-Trifluorotoluene		110%	55-14	2	"	и	"	"	
Surrogate: 4-Bromofluorobenzene		94 %	70-13	0	"	"	n	"	
W-INT 2 (MNL0340-02) Water Sample	ed: 12/08/04 12:3	0 Receive	d: 12/09/0	4 19:10					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	u	*1	lt.	н	u	u	
Toluene	ND	0.50	ŢĬ	п	H	n	u	D	
Ethylbenzene	ND	0.50	ri .	ŢI	н	14	u	u	
Xylenes (total)	ND ND	0.50	11	u .	lt	le .	u	u	
Surrogate: a,a,a-Trifluorotoluene		110%	55-14	2	,,	"	"	11	
Surrogate: 4-Bromofluorobenzene		93 %	70-13	0	H	n	"	n	
W-INT 1 (MNL0340-03) Water Sample	ed: 12/08/04 13:0	0 Receive	:d: 12/09/0	19:10					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	a	u	lę	ш		"	
Toluene	ND	0.50	a	u	l t	н	u	u	
Ethylbenzene	ND	0.50	u	n	h	н	u	u	
Xylenes (total)	ND	0.50	п	*1	Į1	и	ш	II.	
Surrogate: a,a,a-Trifluorotoluene		109 %	55-14	2	u	"	"	n .	
Surrogate: 4-Bromofluorobenzene		92 %	70-13	0	n	"	"	u	





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954 Project Number: 7-3035
Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
W-INF (MNL0340-04) Water Sampled	: 12/08/04 13:30	Received	: 12/09/04	9:10					
Gasoline Range Organics (C4-C12)	110	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	II	n	0	н	ч	"	
Toluene	ND	0.50	0	71	11	и	н	и	
Ethylbenzene	ND	0.50	U	71	14	II	н	ч	
Xylenes (total)	1.3	0.50	17	u	If	H	и	н	
Surrogate: a,a,a-Trifluorotoluene		109 %	55-14	2	"	"		п	
Surrogate: 4-Bromofluorobenzene		95 %	70-13	0	n	"	rr r	"	





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035

Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNL0340-01) Water Sa	mpled: 12/08/04 12:00	Received	: 12/09/0	4 19:10				-	
Diesel Range Organics (C10-C28)	ND	48	ug/I	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		98 %	23-	128	n	n	"	ıı	
W-INT 2 (MNL0340-02) Water S	Sampled: 12/08/04 12:30) Receive	d: 12/09	/04 19:10					
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		101 %	23-	128	n	"	н	п	<u> </u>
W-INT 1 (MNL0340-03) Water S	Sampled: 12/08/04 13:06	D Receive	d: 12/09	/04 19:10					
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		97 %	23-	128	n	'n	"	,,	
W-INF (MNL0340-04) Water Sa	mpled: 12/08/04 13:30	Received	: 12/09/0	4 19:10					
Diesel Range Organics (C10-C28)	ND	49	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		96 %	23-	128	п	"	"	,, , , , , , , , , , , , , , , , , , ,	





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954

Project Number: 7-3035 Project Manager: Corey Weiand MNL0340 Reported: 12/22/04 18:07

MTBE by EPA Method 8260B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNL0340-01) Water Sai	mpled: 12/08/04 12:00	Received	: 12/09/0	4 19:10					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L21006	12/21/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		100 %	78-	129	"	"	"	"	
W-INT 2 (MNL0340-02) Water S	ampled: 12/08/04 12:3	0 Receive	ed: 12/09	/04 19:10					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L21006	12/21/04	12/21/04	EPA 8260B	-
Surrogate: 1,2-Dichloroethane-d4		101 %	78-	129	"	"	"	"	
W-INT 1 (MNL0340-03) Water Sa	ampled: 12/08/04 13:0	0 Receive	ed: 12/09	04 19:10					
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L20006	12/20/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		100 %	78-	129	и	п	"	н	
W-INF (MNL0340-04) Water San	npled: 12/08/04 13:30	Received	12/09/0	4 19:10					
Methyl tert-butyl ether	100	2.5	ug/l	5	4L20006	12/20/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		102 %	78-	129	"	"	"	,,	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L15002 - EPA 5030B [P/T]									-	_
Blank (4L15002-BLK1)	_			Prepared	& Analyze	ed: 12/15/	04			
Gasoline Range Organics (C4-C12)	ND	50	ug/l	·			··		- -	-
Benzene	ND	0.25	п							
Toluene	ND	0.25	n							
Ethylbenzene	ND	0.25	ø							
Xylenes (total)	ND	0.25								
Surrogate: a,a,a-Trifluorotoluene	44.2		"	40.0		110	55-142			
Surrogate: 4-Bromofluorobenzene	<i>37.5</i>		"	40.0		94	70-130			
LCS (4L15002-BS1)				Prepared	& Analyze	ed: 12/15/	04			
Gasoline Range Organics (C4-C12)	250	50	ug/l	275		91	62-134			
Benzene	4.04	0.50	lt	4.00		101	68-140			
Toluene	20.5	0.50	u	20.0		102	76-127			
Ethylbenzene	4.83	0.50	ti	4.70		103	77-130			
Xylenes (total)	24.2	0.50	u	22.8		106	78-128			
Surrogate: a,a,a-Trifluorotoluene	44.1			40.0		110	55-142		_ _	
Surrogate: 4-Bromofluorobenzene	40.3		"	40.0		101	70-130			
Matrix Spike (4L15002-MS1)	So	urce: MNL03	40-01	Prepared	& Analyze	d: 12/15/	04			
Gasoline Range Organics (C4-C12)	230	50	ug/l	275	ND	84	62-134			
Benzene	3.59	0.50	D	4.00	ND	90	68-140			
Toluene	18.4	0.50	11	20.0	ND	92	76-127			
Ethylbenzene	4.35	0.50	h	4.70	ND	93	77-130			
Xylenes (total)	21.8	0.50	Ιτ	22.8	ND	96	78-128			
Surrogate: a,a,a-Trifluorotoluene	42.2		"	40.0		106	55-142			
Surrogate: 4-Bromofluorobenzene	40.5		"	40.0		101	70-130			
Matrix Spike Dup (4L15002-MSD1)	So	urce: MNL03	40-01	Prepared of	& Analyze	d: 12/15/0	04			
Gasoline Range Organics (C4-C12)	221	50	ug/l	275	ND	80	62-134	4	41	
Benzene	3.45	0.50	II	4.00	ND	86	68-140	4	30	
Toluene	17.6	0.50	ır	20.0	ND	88	76-127	4	30	
Ethylbenzene	4.13	0.50	17	4.70	ND	88	77-130	5	21	
Xylenes (total)	20.9	0.50	lr .	22,8	ND	92	78-128	4	21	
· · · · · · · · · · · · · · · · · · ·										

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954

Project Number: 7-3035
Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 4L15002 - EPA 5030B [P/T]

Matrix Spike Dup (4L15002-MSD1)	Source:	MNL0340-01	Prepared & Ar	04	
Surrogate: a,a,a-Trifluorotoluene	42.5	ug/l	40.0	106	55-142
Surrogate: 4-Bromofluorobenzene	39.6	"	40.0	99	70-130





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954

Project Number: 7-3035 Project Manager: Corey Weiand MNL0340 Reported: 12/22/04 18:07

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC	n nn	RPD	· -
Batch 4L14007 - EPA 3510C				Bever	Result	76KLIC	Limits	RPD	Limit	Notes
Blank (4L14007-BLK1)				Prepared:	12/14/04	Analyzed	l: 12/15/04			
Diesel Range Organics (C10-C28)	ND	25	ug/l							_
Surrogate: n-Octacosane	47.1		11	50.0		94	23-128		<u> </u>	
LCS (4L14007-BS1)				Prepared:	12/14/04	Analyzed	l: 12/15/04			
Diesel Range Organics (C10-C28)	471	50	ug/I	500		94	35-144			
Surrogate: n-Octacosane	44.9	 -	"	50.0		90	23-128	<u> </u>		_
LCS Dup (4L14007-BSD1)				Prepared:	12/14/04	Analyzed	: 12/15/04			
Diesel Range Organics (C10-C28)	485	50	ug/l	500		97	35-144	3	24	
Surrogate: n-Octacosane	46.0		"	50.0	·	92	23-128			





Project: Former Exxon 7-3035

601 North McDowell Blvd. Petaluma CA, 94954 Project Number: 7-3035
Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

MTBE by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC	DDD	RPD	
	- ICOUIT	Luna	Oilles	ı.evei	Kesuit	70KEC	Limits	RPD	Limit	Notes
Batch 4L20006 - EPA 5030B Modified						<u> </u>				
Blank (4L20006-BLK1)				Prepared	& Analyz	ed: 12/20/	04			
Methyl tert-butyl ether	ND	0,25	ug/l				-			-
Surrogate: 1,2-Dichloroethane-d4	2.57	· ·	п	2.50		103	78-129		· · · · · ·	
LCS (4L20006-BS1)				Prepared	& Analyz	ed: 12/20/	04			
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137			
Surrogate: 1,2-Dichloroethane-d4	2.28		"	2.50		91	78-129			· · · ·
LCS (4L20006-BS2)				Prepared	& Analyz	ed: 12/20/	04			
Methyl tert-butyl ether	8.65	0.50	ug/l	9.92		87	63-137			
Surrogate: 1,2-Dichloroethane-d4	2.39		"	2.50		96	78-129			
LCS Dup (4L20006-BSD2)				Prepared	& Analyz	ed: 12/20/	04			
Methyl tert-butyl ether	8.82	0.50	ug/l	9.92	<u>-</u>	89	63-137	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.32		"	2.50		93	78-129			
Matrix Spike (4L20006-MS1)	Sou	irce: MNL03	40-04	Prepared	& Analyz	ed: 12/20/	04			
Methyl tert-butyl ether	149	2.5	ug/l	50.0	100	98	63-137		-	
Surrogate: 1,2-Dichloroethane-d4	2.35	<u></u>	"	2.50		94	78-129			<u>-</u> -
Matrix Spike Dup (4L20006-MSD1)	Sou	ırce: MNL03	40-04	Prepared	& Analyz	ed: 12/20/	04			
Methyl tert-butyl ether	152	2,5	ug/l	50.0	100	104	63-137	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.39	 ·	"	2.50		96	78-129			
Batch 4L21006 - EPA 5030B Modified										
Blank (4L21006-BLK1)				Prepared	& Analyz	ed: 12/21/	04			
Methyl tert-butyl ether	ND	0.25	ug/l				<u> </u>			
Surrogate: 1,2-Dichloroethane-d4	2.31		"	2.50		92	78-129			





Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035 Project Manager: Corey Weiand MNL0340 Reported: 12/22/04 18:07

MTBE by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L21006 - EPA 5030B Modified										
LCS (4L21006-BS1)				Prepared a	& Analyze	:d: 12/21/	04			
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137			
Surrogate: 1,2-Dichloroethane-d4	2.29		п	2.50		92	78-129			
LCS (4L21006-BS2)	_			Prepared &	& Analyze	:d: 12/21/				
Methyl tert-butyl ether	8.28	0.50	ug/l	9.92		83	63-137			
Surrogate: 1,2-Dichloroethane-d4	2.38	 <u></u>	"	2.50		95	78-129	-	·	_
LCS Dup (4L21006-BSD2)				Prepared &	& Analyze	:d: 12/21/	04			
Methyl tert-butyl ether	8.00	0.50	ug/l	9.92		81	63-137	3	20	
Surrogate: 1,2-Dichloroethane-d4	2.48		"	2.50		99	78-129			
Matrix Spike (4L21006-MS1)	Sou	urce: MNL03	16-07	Prepared &	& Analyze	:d: 12/21/0)4			
Methyl tert-butyl ether	778	25	ug/l	500	300	96	63-137			
Surrogate: 1,2-Dichloroethane-d4	2.34		···	2.50		94	78-129			
Matrix Spike Dup (4L21006-MSD1)	, Sou	urce: MNL03	16-07	Prepared &	& Analyze	:d: 12/21/0)4			
Methyl tert-butyl ether	786	25	ug/l	500	300	97	63-137		20	
Surrogate: 1,2-Dichloroethane-d4	2.45		"	2.50		98	78-129	<u> </u>		





Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954

Project: Former Exxon 7-3035

Project Number: 7-3035
Project Manager: Corey Weiand

MNL0340 Reported: 12/22/04 18:07

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SEQUOIA ANALYTICAL CHAIN OF CUSTODY

MORGAN HILL LATONYA PELT, PROJECT MGR.

ENVIRONMENTAL RESOLUTIONS, INC

. ROB SAUR, PROJ. MGR.

707-766-2019

CONSULTANT NAME ERI			<u> </u>	Corey	Weiand, E	NGINEER		800-382-9105	
·]	PROJECT^	FORMER	EXXON 7	-3035, 450)I Sonoma l	iwy., Santa Ro)S2
ADDRESS 601 North McDowell		•	P.O.#	45042390	18 ->				
CITY / STATE / ZIP Petaltuma, CA 94954			CT MGR.	ROB SAU	R		1-800-382	3591	
CONTACT Corcy Weland		EXXONM	OBIL TM		R SEDLAC		£510-547-	8196	
PHONE (800) 382-9105		(QC DATA	LEVEL II	(STANDA	RD)_			
FAX (707) 789-0414		DRINKING	WATER						
SAMPLER OF THE	mar	WASTE	WATER	1					
SAMPLER SIGNATURE Jon Men	marse	_	OTHER X	İ					
· ()			An	ALYSES:	IU QUEST	RD		-	
ease run TPHd analysis w/silica gcl clean-up SAMPLE ID DATE TIME # CONT MATRIX	PL 0340		TPES, BTEX 8015M/8021B	TPEd 8015M*	MTBE 8260B		24 Hour TAT	Normal 10 day TAT	
Eff 51 12/8/54 12 0 4/2 water	ПСLЛсв		X	x	X		<u> </u>		
	IICL/Ica		X	X	x	 -	 	X	
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	HCL/Ice		Х	Х	Х			Х	
NF 4 4 1330 4/2 water	HCL/Ice		X	Х	Х			X	
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™ OM\2294

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: REC. BY (PRINT) WORKORDER:	ERI L Paulox MNG 6340			DATE REC'D AT LAB TIME REC'D AT LAB; DATE LOGGED IN	19:10	4-04		: ;	DRINKING WASTĘ WA	1
CIRCLE THE APPR	OPRIATE RESPONSE	LAB SAMPLE#	DASH #-	CLIENT ID	(For c CONTAINER DESCRIPTION	PRESERV	ng pres PH	SAMPLE		pt, document here 1) REMARKS: CONDITION (ETC.)
Custody Seal(s)	Present Absent	υĮ		W-EFF	Var4	HCL-	7		12-8-104	Combined (210.)
	Intact / Broken*	· · · · · · · · · · · · · · · · · · ·		→ .	1 Amber-Z		`		7) 2	
2. Chain-of-Custody	Present / Absent*	12		WINTZ	Deplicate	1200 m	1	7	1 4	
3. Traffic Reports or		63		WINT	7-7	1	{			
Packing List:	Present Absent	La .		W-INF		a/ a	√_	2	~/	
4. Airbill:	Alrbill / Sticker			·					Ν.	
	Present / Absent									
5. Alrbill #:									<u> </u>	
6. Sample Labels:	Present / Absent									
7. Sample IDs:	Listed / Not Listed			•						
	en Chain-of-Custody			•						
8. Sample Condition:	Intact / Broken* /									
	Leaking*							\longrightarrow	·	
9. Does information or	<u>-</u> -									
traffic reports and s						- X			· · · · · · · · · · · · · · · · · · ·	
agree?	(Ŷ@)/No*				~	<i>70</i> /			• !	
10. Sample received with					0/				[-	
hold time?	Y98/No*				7,01				<u> </u>	
11. Adequate sample vol					7.7					
received?	Yes/ No*			\					· [
Proper Preservatives		-						- +	[]	
used?	Yes / No*				-					
13. Trip Blank / Temp Bla										
(circle which, If yes)	Yes (Nov)								- 1	
14. Temp Rec. at Lab:	55c			/						<u></u>
Is temp 4 +/-2°C?	Yes No**		\mathcal{A}		•				<u> </u>	 [[
(Acceptance range for samples	•	/-	<u></u>							
**Exception (If any): ME	TALS / DFF ON ICE							-		
or Problem COC			Manual Phila	The second secon		THE RESERVE AS A PRINCIPAL	Distance of the	all sugar		
SRL Revision 6	Marke a together a last work of the second	*IF CIRC	LED, C	ONTACT PROJECT M	ANAGER AND	ATTACH RE	ECOR	D OF RES	OLUTION.	egeot

SRL Revision 6 Replaces Rev 5 (06/07/04) . Effective 07/13/04